

CONSTRUCTION EQUIPMENT VOLVO A40G 352921 - DIESEL ENGINE



VCP434286 Sample No:

Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3

Job No:

Phosphorus

Barium

Boron

SAMPLE I	FORMATION				
Sample Number		VCP434286	VCP336670		
Sample Date		31 Oct 2023	19 Dec 2021		
Machine Hours		4224	497		
Oil Hours		0	0		
Oil Changed		Changed	Changed		
Sample Status		SEVERE	ABNORMAL		
OIL CONDI	TION				
Visc @ 100°C	-		105		
	cSt	12.4	▲ 10.5		
Base Number (BN)	5 5	7.8	5.3		
Oxidation (PA)	%	80	63		
VOLVO					
🤍 Contamin	IATION				
Soot %	%	0.4	0.2		
Nitration (PA)	%	95	91		
Sulfation (PA)	%	63	60		
Glycol	%	• 0.10	NEG		
Fuel	%	<1.0	0.2		
Silicon	ppm	15	32		
Sodium	ppm	🔺 1083	2		
Potassium	ppm	🔺 258	4		
WEAR ME	ταις				
<u> </u>				-	
Iron	ppm	1 1	19		
Copper	ppm	9	▲ 183		
Lead	ppm	□ <1	1		
Tin	ppm	■ <1	5		
Aluminum Chromium	ppm	2	<1		
	ppm	■<1 111	□ <1 □ 99		
Molybdenum Nickel	ppm	4	2		
Titanium	ppm	0	<1		
Silver	ppm	0	0		
Manganese	ppm ppm	■ <1	3		
Vanadium	ppm	0	0		
	PPIII	· ·	U		
VOLVO					
ADDITIVE:	2				
Calcium	ppm	1550	2651		
Magnesium	ppm	533	33		
Zinc	ppm	1095	1173		
Dhocphorus	10.10.100	- 073	1150		

1159

0

17



ALTA EQUIPMENT COMPANY

5151 DR MARTIN LUTHER KING BLVD FORT MYERS, FL US 33905 Contact: TODD LARK tlark@altaequipfl.com Г: F: (239)481-3302

Diagnosis

We advise that you check for the source of the coolant leak. Check for low coolant level. Oil and filter change at the time of sampling has been noted. We recommend an early resample to monitor this condition.All component wear rates are normal. Sodium and/or potassium levels are high. Test for glycol is positive. The BN result indicates that there is suitable alkalinity remaining in the oil. The oil is no longer serviceable due to the presence of contaminants.

Depot: VOLVO0090 Unique No: Signed: Report Date:

10724898 Jonathan Hester 07 Nov 2023

872

— <1

18

ppm

ppm

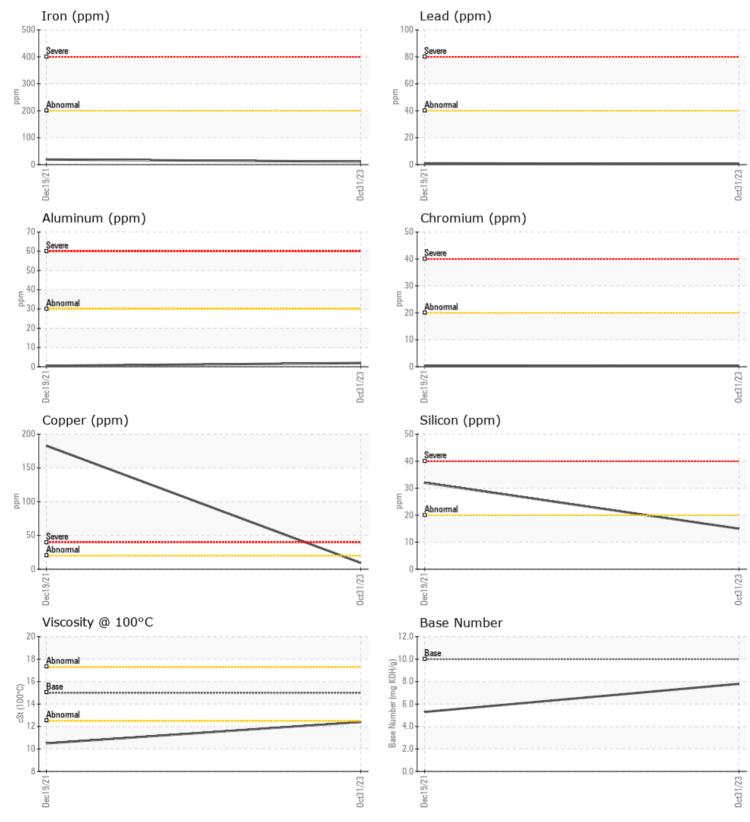
ppm

CONSTRUCTION EQUIPMENT



GRAPHS

VOLVO



Report Id: VOLVO0090 [WUSCAR] 05996538 (Generated: 11/08/2023 05:06:34) Rev: 1

Contact/Location: TODD LARK - VOLVO0090